

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses**

Manufacture of plastic products, including compounding and conversion

**Product categories**

Polymer preparations and compounds

**1.3. Details of the supplier of the safety data sheet**

Name: KRAIBURG TPE GmbH & Co. KG  
Address: Friedrich-Schmidt-Str. 2

Information contact: D-84478 Waldkraiburg  
E-Mail (competent person): +49 (8638) 9810 0  
regulatory@kraiburg-tpe.com

**1.4. Emergency telephone number**

Emergency advice +49 (8638) 9810 0  
This number is only available at office times.

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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<b>Skin Sens. 1</b>	H317
<b>Aquatic Chronic 3</b>	H412

**2.2. Label elements**

**Labelling according to Regulation (EG) Nr. 1272/2008 (CLP/GHS)**



GHS07

**Signal word:** Warning

**Hazard Statements for health hazards**

H317 May cause an allergic skin reaction.

**Hazard statements for environmental hazards**

H412 Harmful to aquatic life with long lasting effects.

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### Precautionary Statements

#### Prevention

- P261 Avoid breathing dust/fume/gas/mist/vapour/spray.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

#### Response

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P363 Wash contaminated clothing before reuse.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/ information on ingredients

### 3.2. Mixtures

CAS No.	EG No	Name	[ppm]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64359-81-5	264-843-8	4,5-Dichlor-2-oktyl-2H-isothiazol-3-one	250 – 2490	Acute Tox. 4, H302 / Acute Tox. 4, H312 / Acute Tox. 2, H330 / Skin Corr. 1C, H314 / Eye Dam. 1, H318 / Skin Sens. 1A, H317 / STOT SE 3, H335 / Aqu. Acute 1, H400 M=100 / Aqu. Chronic 1, H410 M=10

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General Information

In case of allergic reactions, especially at respiratory tract, seek medical treatment immediately.  
 Take affected person into fresh air.

#### In case of inhalation

Remove the casualty into fresh air and keep him immobile.  
 If intensive inhalation of dust seek medical treatment immediately.  
 In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off immediately with plenty of water.  
 Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

#### In case of ingestion

Induce the patient to vomit by himself only if fully conscious.  
 Turn a vomiting person lying on his back onto his side.  
 Rinse out mouth thoroughly with water.

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4.2. Most important symptoms and effects, both acute and delayed

Allergic symptoms

4.3. Indication of any immediate medical attention and special treatment needed Treatment (Advice to doctor)

Treat symptoms.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

**Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

Full water jet

5.2. Special hazards arising from the substance or mixture

Nitrogen gases (NOx)

Carbon monoxide (CO)

Carbon dioxide (CO2)

5.3. Advice for firefighters

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel**

Keep people away and stay on the upwind side.

6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

Knock down dust with water spray jet.

6.3. Methods and material for containment and cleaning up

Avoid dust formation.

Flush away residues with water.

Take up mechanically and send for disposal.

6.4. Reference to other sections

Information for disposal see chapter 13.

Safe handling: see section 7

Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Avoid the formation and deposition of dust.  
Care for suitable extraction / ventilation at processing machines.  
While handling with warm product suck off vapours.  
Extraction in situ required.

#### **Advice on protection against fire and explosion**

Pay attention to general rules of internal fire prevention.  
Avoid sedimentation of dust.  
Avoid formation of dust.

### 7.2. Conditions for safe storage, including any incompatibilities

#### **Requirements for storage rooms and vessels**

Keep in closed original container.  
Ventilate store-rooms thoroughly.

#### **Advice on storage compatibility**

Do not store with oxidizing agents.  
Do not store together with food.  
Do not store together with reducing agents.

#### **Further information on storage conditions**

Keep container tightly closed and store at cool and aired place.

#### **Storage group 11**

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### **Respiratory protection**

In case of insufficient ventilation or long-term effect use breathing apparatus.  
Particle-filtering half mask, filter P2

#### **Hand protection**

Chemical-resistant gloves

#### **Eye protection**

Tightly fitting goggles

#### **Other protection measures**

Protective clothing

#### **General protective measures**

Avoid contact of molten material with skin.  
Do not inhale gases/vapour/aerosols.  
Do not inhale dust.  
Avoid contact with the eyes.

#### **Hygiene measures**

At work do not eat, drink and smoke.  
Keep away from food and drink.  
Wash hands and skin before breaks and after work.

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**Limitation and surveillance of the environment**

Product related measures to prevent exposure  
Organizational measures to prevent exposure

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Appearance:	granules
Odour:	characteristic
Odour threshold:	not determined
Colour:	various, depending on coloration
pH value:	not determined
Boiling temperature/boiling range:	not determined
Melting point / Freezing point:	not determined
Flash point:	> 200°C
Flammable (solid):	not determined
Flammable (gas):	not determined
Ignition temperature:	not determined
Self-Ignition temperature:	not determined
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Vapour pressure:	not determined
Relative density:	0,9 – 1,5 g/cm <sup>3</sup>
Bulk density:	0,45 – 0,7 g/cm <sup>3</sup>
Vapour density:	not determined
Solubility in water:	insoluble
Solubility / other:	not determined
Partition coefficient n-octanol / water	
(log P O/W):	not determined
Viscosity:	not determined

**Oxidizing properties**

No information available.

**Explosive properties:**

No information available.

**9.2. Other information**

No information available.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Reactions with strong oxidizing agents.

### 10.5. Incompatible materials

#### **Substances to avoid**

Reactions with strong oxidizing agents.

Reactions with reducing agents.

### 10.6. Hazardous decomposition products

Nitrous gases

Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Acute toxicity/Irritation/Sensitization**

##### **LD50 acute oral**

No data available

##### **LD50 acute dermal**

No data available

##### **LC50 acute inhalation**

No data available

#### **Skin irritation**

No data available

#### **Eye irritation**

No data available

#### **Skin sensitization**

Sensitization possible

#### **Sensitization respiratory system**

Sensitization possible

#### **Subacute toxicity – Carcinogenicity**

#### **Mutagenicity**

No data available

#### **Reproduction-toxicity**

No data available

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**Carcinogenicity**  
No data available

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicological effects**

**Fish**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**Daphnia**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**Algae**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**Bacteria**

The product has not been tested. Because of the product's consistency and lack of solubility in water bioavailability is not likely.

**12.2. Persistence and degradability**

**Physico-chemical degradability**

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

**Biological degradability**

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

**Degradability**

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

**12.3. Bioaccumulative potential**

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Recommendations for the product**

Remove in accordance with local official regulations.

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### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

## SECTION 14: Transport information

### Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

### Marine transport IMDG

No dangerous goods as defined by these transport regulations.

### Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

### Special precautions for user

No information available.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other regulations (EU)

All ingredients of the mixture correspond to the currently applicable provisions of the REACH Regulations.

#### National regulations

##### Restriction of occupation

Observe employment restrictions for young people.

Observe employment restrictions for mothers-to-be and nursing mothers.

##### Other regulations, restrictions and prohibition regulations

UVV "Work machines of the chemical industry, rubber and plastic industry" (VBG 22)

#### Water hazard class

1 self-classification

### 15.2. Chemical Safety Assessment

No information available.

## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

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# Safety Data Sheet

## according to Regulation (EC) No. 1907/2006 (REACH)

Version: 0.4

revision: 01.09.2017

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H410 Very toxic to aquatic life with long lasting effects.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)

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